Research Engineer (app development in HSS) (AS)
Singapore Institute of Technology

Job Title	Research Engineer (app development in HSS) (AS)
Department	Health and Social Sciences
Institution	Singapore Institute of Technology
	Singapore, , Singapore
Date Posted	Apr. 28, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Computer Science
Job Website	https://careers.singaporetech.edu.sg/cw/en/job/498911/research-engineer-app-development-in-hss-as
Apply By Email	
Job Description	

Research Engineer (app development in HSS) (AS)

Job no: 498911
Department: Health and Social Sciences
Contract type: Contract
Apply now

As a University of Applied Learning, SIT works closely with industry in our research pursuits. Our research staff will have the opportunity to be equipped with applied research skill sets that are relevant

to industry demands while working on research projects in SIT.

The primary responsibility of this role is to deliver on an industry innovation research project where you will be part of the research team to develop an application that automatically classifies walking performance of people with Parkinson's disease, with potential to identify improvements and deteriorations in walking performance. This will support evaluation of interventions and enable prompt attention in the event of functional deteriorations.

Key Responsibilities:

- Participate in and manage the research project with Principal Investigator (PI), Co-PI and the research team members to ensure all project deliverables are met.

- Undertake these responsibilities in the project:

i. Collect requirement and conduct development of algorithm for automated analysis;

  ii. Conduct evaluation of the developed system with healthcare professionals and incorporate feedback; and
  iii. Work with the team on overall system development and integration into the healthcare cluster's application.
  iv. Document findings possibly in shape of publications to disseminate applied research outcomes

- Carry out Risk Assessment, and ensure compliance with Work, Safety and Health Regulations.
- Coordinate procurement and liaison with vendors/suppliers.
- Work independently, as well as within a team, to ensure proper operation and maintenance of equipment.

Job Requirements:

- Bachelor/Masters degree in CS/EE/ECE and related discipline
- Hands-on experience in developing computer vision application
- Knowledge of machine learning and computer vision is preferred
- Good communication skills and teamwork spirit

Key Competencies

- Able to develop machine learning and computer vision application

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- Able to build and maintain strong working relationships with people within and external to the university
- Proficient in technical writing and presentation
- Possess strong analytical and critical thinking skills
- Show strong initiative and take ownership of work

Apply now
Advertised: 28 Apr 2025 Singapore Standard Time
Applications close: 31 Jul 2025 Singapore Standard Time

Contact Information

Contact

Singapore